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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/38217

A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : F02D 41/24			
US CL: 123/486; 701/115			
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 123/486, 681,682,687; 701/115			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
X			1-24
x	document. US 5,983,156 A (ANDREWS) 9 November 1999 (09.11.1999), see whole document.		1-24
х	US 5,832,400 A (TAKAHASHI et al) 3 November 1998 (03.11.1998), see whole document.		1-24
X	US 5,638,790 A (MINOWA et al) 17 June 1997 (17.06.1997), see the whole document.		1-24
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Further documents are listed in the continuation of Box C. See patent family annex.			
		"T" later document published after the inte	
	t defining the general state of the art which is not considered to be	principle or theory underlying the inve	ntica .
"E" earlier application or patent published on or after the international filing date		"X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to			
establish specified	the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive step	
		combined with one or more other such	documents, such combination
	t referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	
"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed			
Date of the actual completion of the international search		Date of mailing of the international search 24 MAR 2005	rch report
	2005 (18.02.2005)		
·		Authorized officer	
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